

Title (en)
GAS TURBINE DISASSEMBLY METHOD

Title (de)
GASTURBINENDEMONTAGEVERFAHREN

Title (fr)
PROCÉDÉ DE DÉMONTAGE D'UNE TURBINE À GAZ

Publication
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Application
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Abstract (en)
The invention concerns a method of disassembling a gas turbine 10 comprising a combustor 12, a liner 14, a turbine vane carrier (TVC) 16 and an outer housing 20, comprising the steps of disengaging the liner 14 from the TVC 16 and removing the TVC 16 from the gas turbine 10. The liner 14 is disengaged from the TVC 16 before the TVC 16 is removed, the liner 14 remains inside the outer housing 20 and the combustor 12 remains in the outer housing 20. Associated apparatus and a method of reassembly are also described.

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Citation (search report)
• [X] US 3842595 A 19741022 - SMITH J, et al
• [IY] US 2014260275 A1 20140918 - MELTON PATRICK BENEDICT [US], et al
• [XY] EP 2256318 A1 20101201 - MITSUBISHI HEAVY IND LTD [JP]
• [XY] US 2013139368 A1 20130606 - ISEKI KEISUKE [JP], et al
• [XY] EP 2743458 A2 20140618 - GEN ELECTRIC [US]
• [Y] JP H08210642 A 19960820 - MITSUBISHI HEAVY IND LTD
• [Y] EP 2530246 A2 20121205 - GEN ELECTRIC [US]

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